

# Mohawk Valley Community College

## Key Performance Indicator

MVCC is committed to student success through partnerships.

### EARLY COLLEGE HIGH SCHOOL (ECHS) PARTNERSHIPS

#### Dual Credit:

MVCC offers Dual Credit courses in 17 school districts and two BOCES within Oneida County, as well as nine school districts in Madison County, two school districts in Otsego County and Syracuse City School District in Onondaga County. Three of our Madison County district partners take courses exclusively through OHM and Madison/Oneida (MO)-BOCES. During the 2023-2024 academic year, 3,863 individual students enrolled in 904 sections of Dual Credit that covered 114 different MVCC courses.

Dual Credit comprised 47% of unduplicated headcount in the fall of 2023 and 29% of all FTE for the 2023-2024 academic year. A total of 24% of students who enrolled in dual credit last year enrolled at MVCC during the fall 2023. A five-year trend illustrates the general growth in dual credit with the notable decline during the COVID pandemic.

#### Table of Dual Credit:

<b>Sections</b>	<b>567 in 2018-19</b>	<b>654 in 2019-20</b>	<b>746 in 2020-21</b>	<b>871 in 2021-22</b>	<b>904 in 2021-22</b>	<b>5 Yr. Change of 59%</b>
<b>Courses</b>	<b>73 in 2018-19</b>	<b>83 in 2019-20</b>	<b>86 in 2020-21</b>	<b>94 in 2021-22</b>	<b>114 in 2021-22</b>	<b>5 Yr. Change of 56%</b>
<b>Students</b>	<b>3226 in 2018-19</b>	<b>2931 in 2019-20</b>	<b>3248 in 2020-21</b>	<b>3630 in 2021-22</b>	<b>3863 in 2021-22</b>	<b>5 Yr. Change of 20%</b>
<b>FTE</b>	<b>877 in 2018-19</b>	<b>934 in 2019-20</b>	<b>999 in 2020-21</b>	<b>1018 in 2021-22</b>	<b>1108 in 2021-22</b>	<b>5 Yr. Change of 26%</b>

#### Pathways in Technology Early College High School (PTECH):

The College is in partnership with OHM BOCES, Syracuse City School District (SCSD), and Madison Oneida BOCES to deliver three distinct PTECH programs. Currently, 49 OHM BOCES PTECH students are enrolled in coursework on the College's Utica campus and 4 SCSD students are taking courses on the Rome campus. The MO BOCES PTECH program is enrolling its first cohort for a fall 2024 start.

### Local ECHS:

The College signed three separate agreements with OHM BOCES in May 2023 that elongates and softens students' post-high school transition by expanding on long-running and highly successful dual credit programming and PTECH partnerships. These agreements have led to 60+ OHM BOCES Middle Settlement Academy seniors being relocated to MVCC and a comprehensive pre-Employment and Transition Services (pre-ETS) partnership that allows for additional supports to be provided to special education classified students.

In partnership with MO BOCES, the College is offering a locally funded Early College High School program on the Rome campus titled, "Providing Regional Opportunities & Pathways for Enhanced Learning" (PROPEL). PROPEL enrollments have expanded by 71%, from 21 students to 36 students.

During spring 2024, the College launched a collaborative partnership with Utica Academy of Sciences (UAS) to establish an additional ECHS program. Upon full rollout, UAS students will frontload high school requirements and transition to MVCC in the 12th grade, pursuing tailored meta-educational pathways, receiving individualized support, and gaining advanced standing toward a college degree. This partnership has led to 42 UAS students taking coursework on the Utica campus during spring 2024.

## PARTNERSHIP HIGHLIGHTS

MVCC has many notable partnerships that make it important to define what is meant by partnerships and how the College measures them. For the purposes of measuring partnerships as a Key Performance Indicator, relationships with other organizations meet the following criteria:

1. Shared facilities
2. Shared grants
3. Shared budgets
4. Formal Memoranda of Understanding

With just those few criteria, MVCC manages more than 50 formal partnerships (as bulleted below.) This does not include more than 100 transfer agreements with four-year colleges and universities, nor does it include training contracts with local employers. Some highlights from MVCC's formal partnerships include:

- 31 Dual Credit school partners
- Offering ESL classes at The Center
- Subleasing 4,500 square feet of training space to Wolfsped and 1,500 square feet to Fabmatics within the MVCC Center @ Bagg's Square.
- Hosting the Strategic Horizon Network with eight other community colleges from seven other states.
- Partnering with Leadership Mohawk Valley to operate the Center for Leadership Excellence.
- Hosting the Mohawk Valley Institute for Learning in Retirement on the Rome Campus.
- Serving as the New York State headquarters for national FIRST TECH Challenge network.

- Providing clinical education on-site at 15 area healthcare provider locations for healthcare students enrolled in nursing, respiratory care, radiology technology, and surgical technology.
- Partnering with the Workforce Development Board and the Oneida County Industrial Development Association to operate the Job Corps and MV Tech Corps programs that led to the creation of the Free FastTrack program strategy with sustained partnership to maximize training funding for and enrollments of Free FastTrack.
- Facilitating the awarding of credit for hundreds of electrical apprentices from three distinct IBEW locals, spanning NYS and articulating those credits through an extended pathway in partnership with Alfred State College and Syracuse University.

## GRANTS

MVCC has several meaningful partnerships with other organizations through joint grant programs – some where MVCC is the lead agency with subawards to other organizations and other grants where MVCC is the subaward recipient. An overview of these grant partnerships include:

### MVCC Lead Grants with subawards (table)

<b>Name of Grant</b>	Cybersecurity Education Innovation Competition	<b>Sub awardee</b>	University of South Florida
<b>Name of Grant</b>	Small Business Development Center	<b>Sub awardee</b>	Cornell Cooperative Extension of Oneida County
<b>Name of Grant</b>	Small Business Development Center	<b>Sub awardee</b>	NYS Developmental Disabilities Planning Council/SUNY Farmingdale SBDC

Our Youth Build (DOL) grant ended 9/30/23.

Our Lumina PACCE grant ended 12/31/23.

Our Job Corps Scholars (DOL) grant ended 9/30/23.

### Table of Sub-awards (MVCC listed as subrecipient)

<b>Name of Subaward</b>	NYCAN	<b>Prime Award</b>	SUNY Research Foundation	<b>Funder</b>	U.S. Department of Labor
<b>Name of Subaward</b>	SUNY Apprenticeship Program	<b>Prime Award</b>	SUNY Research Foundation	<b>Funder</b>	U.S. Department of Labor
<b>Name of Subaward</b>	ATE – NEATEC	<b>Prime Award</b>	SUNY Research Foundation	<b>Funder</b>	National Science Foundation

<b>Name of Subaward</b>	Callahan Management Training Center/The Manufacturers Association of Central NY (MACNY)	<b>Prime Award</b>	Callahan Management Training Center	<b>Funder</b>	ESD Office of Strategic Workforce Initiatives
<b>Name of Subaward</b>	Cybersecurity Education Innovation Competition (CAE-C) CSUSB	<b>Prime Award</b>	University Enterprises Corporation at California State University, San Bernardino	<b>Funder</b>	National Security Agency
<b>Name of Subaward</b>	SUNY Internship Program	<b>Prime Award</b>	SUNY Research Foundation	<b>Funder</b>	New York State Appropriation
<b>Name of Subaward</b>	ATE-Advanced Integrated Silicon Technologies	<b>Prime Award</b>	SUNY Research Foundation	<b>Funder</b>	National Science Foundation

## Workforce Development Training (CCED)

MVCC's Center for Corporate and Community Education (CCED) partners with numerous employers in a variety of ways. Some of the deeper and more regular partnerships include:

- **Harwood Grant:** 19 different employers working with CCED trainers on a different topic every year translated into 2-3 languages for diverse workforces. For 2021-22, the focus was addressing worker fatigue.
- **One-Person Snowplow Training** – 10 towns plus four other municipalities in partnership with Oneida County Department of Public Works.
- **Certified Nursing Assistant** – Multi-year MOUs are in place to deliver on-site training with Masonic Care, Valley Health, and St. Johnsville

Additional partners with MVCC delivering on-site instruction beyond a one-time class include:

- ESL at Indium
- ESL at BOCES
- ESL at The Center
- CPR at The Center
- Oneonta Job Corps – drone training
- Consolidated Precision Products – GD&T and leadership training (SUNY Grant)
- Oneida Molded Plastics – GD&T and leadership training (SUNY Grant)
- AmeriCU – MS 365, leadership training (SUNY Grant)
- Rawlings – leadership training (SUNY Grant)
- Carchedi Insurance - insurance
- New York Central Mutual – insurance

- Fulton-Montgomery Community College – computer trainings, real estate

## Health Career Programs

MVCC also manages partnerships with more than 40 healthcare providers to place students in clinical rotation experiences across our five healthcare programs in nursing, radiology technology, respiratory care, surgical technician, and health information technology.

Additional formal partnerships, designations, and networks are described and assessed below.

## Alliances

Center for Leadership Excellence (CLE) At MVCC since: 2017

### Overview:

The College was looking to expand its leadership training offerings at a time that Leadership Mohawk Valley was looking to expand their leadership programming and the Community Foundation (CF) had prioritized a need for neighborhood and board leadership training in the community. The CF provided a four-year grant to develop a collaborative model among the three entities that established the Center for Leadership Excellence. CLE offers several leadership programs including Leadership Mohawk Valley; Supervisor’s Institute; Leadership Academy; Neighborhoods Rising; Board Leadership; and Disruption Dialogues.

### Pros:

MVCC is modeling the way as the backbone organization for the CLE. Rather than duplicating, we have been a critical partner in shaping this collaborative approach to leadership development in the community. Additionally, our commitment to CLE advances a major priority for the CF and positions us as a high-quality, reliable partner that has made accessing additional grants for a variety of other initiatives at the College.

### Cons:

The College provides office/meeting space and some sporadic staff time at no cost. However, the MOU was revised in spring 2023 and separated any shared fiscal commitments with regard to profit and loss. While we remain co-branded with LMV under the CLE brand and continue to jointly recruit for leadership programs, CLE is now primarily a rental partner for the foreseeable future in terms of overall exposure to the College.

Mohawk Valley Institute for Learning in Retirement (MVILR) At MVCC since: 2020

### Overview:

The Mohawk Valley Institute for Learning in Retirement (MVILR) is a non-profit organization that has provided opportunities for local seniors to “learn, live, grow, move, think, socialize, and create” since 1996. It had been housed by SUNY Poly for nearly 25 years. MVCC was seeking to better serve the 55-plus population and the courses complimented the community offerings versus competing with them. During the pandemic, SUNY Poly was seeking to divest itself of multiple community partnerships and we were a logical partner for them. ASC provides financial business support for a small fee of \$6K or so that sometimes has been exceeded based on challenges with detailed requests and demands.

### Pros:

Serves a population gap of 55+ that MVCC was underserving in the past. Attendance is good

and membership has grown in the short time it has been with the College, as MVILR also brings a great deal of activity on the Rome campus, with over 200 members.

Cons:

The College is in the process of renegotiating the MOU with MVILR to more accurately reflect the operational reality and limit any financial exposure with the partnership.

MVCC Center @ Bagg's Square with Crane Ballou, LLC At MVCC since: 2015

Overview:

The MVCC Center at Bagg's Square houses multiple educational and business-readiness programs including the thINCubator, Mohawk Valley Small Business Development Center (SBDC), Advanced Institute for Manufacturing (AIM), the MVCC Carpentry/Masonry program, and an advanced robotics lab in partnership with Fabmatics USA Inc. Wolfsped has also invested in an advanced material handling system (AMHS) located in the space adjacent to the thINCubator. This line is used for research and development of the semiconductor fab in Marcy and employee training. Once the Marcy fab is 100% up and running, the Bagg Square Center will be available for MVCC students and others in training for jobs in the semiconductor industry. The Center serves as a community connecting point for the existing business community to find resources to start or grow their companies as well as the business opportunities of the future.

Pros:

Wide variety of MVCC programming under one shared facility. Downtown branding positions and showcases MVCC's investments in downtown Utica, as well as a commitment to diversified educational opportunities and services that serve a wide cross section of our community. Fabmatics' lease of their space covers 100% of the rent for both Wolfsped and Fabmatics labs. For fiscal year 2024, Fabmatics will pay \$30,000/year in rent, while Wolfsped is responsible for 100% of the gas/electric cost associated with the space. Our obligation to landlord Crane/Ballou is \$23,412 in rent per year, leaving a positive cash flow balance of \$6,588.

Cons:

There are currently four MVCC leases in place with Crane Ballou with different expiration dates. If Crane Ballou decides to sell the complex, the new owner would need to honor our leases, but an extension or renewal would not be guaranteed.

Addendum:

Fabmatics' corporate offices are currently located in the thINCubator, where they began operating in 2022. Their growth has enabled them to move to a larger space within the facility, and the synergistic nature of the space that the Bagg's Square Center provides has resulted in an potential donation of cash or in-kind for the purchase of equipment valued at \$1M. This donation is allocated for the purchase of robotics training equipment for advanced training center initially located at the Bagg's Square Center, which will then move to the new Science and Technology building. Our Wolfsped partnership has also resulted in donations totaling \$54k in a restricted account to support the mission of the MVCC Center at Bagg's Square.

## Designations

Mohawk Valley Six-County Regional NYS Manufacturing Extension Partnership at MVCC  
since: 2016

### Overview:

AIM is funded by NIST and the U.S. Department of Commerce at the Federal level, and NYSTAR at the NYS level under the Manufacturing Extension Partnership (MEP). The MEP provides AIM with technology resources that can be delivered to the small to mid-sized manufacturers in the six-county Mohawk Valley Region. All 50 states and Puerto Rico have an MEP Center. This enables the MEP to market as a true “National Network”. Within NYS, AIM has 10 additional partner MEP Centers. These centers are located in all 10 economic development regions of NYS and (1) statewide center (FuzeHub). The NY Manufacturing Extension Partnership (NYMEP) offers the more than 15,000 NY manufacturers a team of technical experts and programs from Long Island to Buffalo. In addition, as a NYSTAR-funded center, AIM is part of NYSTAR’s 75 asset partners consisting of Regional Hot-Spot Programs, Small Business Incubators, Centers of Excellence Programs, and the Centers for Advanced Technologies. This dynamic statewide technology ecosystem call all be accessed by manufacturers through AIM. **AIM is the only MEP Center in NYS that is located at a community college.** This unique alignment provides businesses with a direct path for technical instruction and training. AIM provided consulting services to more than 50 manufacturers in the six-county Mohawk Valley Region in 2022.

### Pros:

The robust NIST National Network and the NYSTAR Network provides virtually unlimited technological resources to manufacturers. The 11 MEP Centers in NYS collaborate and work together to offer regional expertise on a statewide level. From design engineering and prototyping all the way to fabrication and commercialization, the network helps manufacturers grow and increase their efficiencies and profits. AIM receives \$575,000 annually directly from NYSTAR. This is the combination of NIST and State funds that flows directly through NYSTAR. The AIM program (including all expenses) is 100% covered by this grant. In the calendar year 2022, AIM’s total project revenue was \$671,124.00. The program since the beginning (2016), has not cost the College any money.

### Cons:

There are no negative impacts regarding AIM’s partnerships, as any indirect cost of support personnel far outweighs the positive net financial impact of the AIM team’s work.

Mohawk Valley Six-County Regional NYS Innovation Hotspot (thINCubator) At MVCC  
since: 2014

### Overview:

MVCC’s thINCubator is the Mohawk Valley’s hub for entrepreneurship. Our 8,500 square foot facility in the heart of Bagg’s Square hosts a wide variety of workshops, programming and networking events for the business and entrepreneurial communities. Through our multi-week programs, sprints and mentoring services, we’ve assisted over 400 clients over the past five years who seek to start or pivot a business in the Mohawk Valley. Our facility also offers co-working options and most recently small office suites for businesses that need flexible office space, and has been a resource for MVCC students, groups, and affiliated programs. Currently, our offices

are fully leased and we have approximately 20 shared-space co working members. ThINC is primarily funded through the NYS Innovation HotSpot grant, and we are proud to have received a five-year renewal of that funding this past January to continue as the only regional Innovation Hotspot designated at a community college in New York.

Pros:

MVCC recognizes the need to provide resources for non-traditional educational programming to students and members of our community. Our downtown location and partnership with the Mohawk Valley Small Business Development Center creates space that offers free or low-cost business services to entrepreneurs no matter where they are in their journey. From mentorship, to bootcamps, to business plan development and office space, MVCC's thINCubator can assist individuals in any stage of business development. For fiscal year 2024, between the NYS funding of up to \$250K/year and Oneida County partnership funding of \$150k/ year, we have been able to absorb the salary and fringe of Frank DuRoss into the HotSpot budget. After accounting for all expenses, we are still able to generate approximately 20K /year in positive net cash flow.

Cons:

Potential fiscal constraints of Oneida County could force the reduction of \$150k year allocation that would need to be replaced through additional sponsorship, donations, or alternative revenue streams.

Addendum:

With the support of Oneida County, the HotSpot has built up a positive fund balance of approximately \$285K in a restricted account dedicated to thINCubator operations. If the college so chooses and the MVCC Foundation approves these funds could be used to offset the costs of the Mohawk Valley SBDC at the thINCubator in the form of the Director's salary/fringe benefits.

## Mohawk Valley Six-County Regional NYS Small Business Development Center At MVCC since: 2019

Overview:

Established in 1986, the Mohawk Valley SBDC was originally hosted by SUNY Polytechnic Institute. The Mohawk Valley SBDC is part of a nationwide network of SBDC centers offering free business advisement, research, and training to entrepreneurs and small businesses.

Pros:

As an SBDC host, MVCC is creating a significant impact in the local small business community, contributing to a stronger local economy for MVCC students entering the job market. Since moving to MVCC, the Mohawk Valley SBDC has served over 1,800 entrepreneurs and small businesses; facilitated the investment of more than \$46M in the local economy; helped to create or save over 3,500 jobs; and assisted with the startup of more than 170 new businesses. The Mohawk Valley SBDC is also home to the New York SBDC's Procurement Assistance Center, providing statewide support to entrepreneurs and small businesses seeking minority- or women-owned business certification and helping businesses discover and bid on government contracting opportunities. Located in MVCC's thINCubator, the SBDC complements thINCubator's mentorship services and programming with technical assistance, business training, funding assistance, and high-quality business research. The Mohawk Valley SBDC's budget, with the exception of salary and fringe for the SBDC regional director, is paid through a federal grant. MVCC receives an additional 12% of total indirect expenses to cover administrative costs.

Cons:

MVCC provides office space and administrative support to the SBDC, as well as salary and fringe for the SBDC regional director. The yearly net cost to MVCC going forward will be approximately \$50,000/year (\$90,000 director's salary and fringes less \$40,000 indirect revenue /year). For the FY24 budget, excess revenue from the thINCubator operations will cover the College's commitment for the salary and benefits of the SBDC regional director.

### National Security Agency Northeast Regional Center of Cybersecurity Excellence at MVCC since: 2016

Overview:

MVCC was designated as a National Center of Academic Excellence (NCAE) in Cyber Defense by the National Security Agency (NSA) and Department of Homeland Security in 2016. We immediately assumed a regional leadership role with focus on K-12 curriculum and pathways, competency development, and competitions. The NCAE Cyber Games project brings the locally-developed CNY Hackathon experience to over 1,000 students from 100 colleges nationwide each year. MVCC's GenCyber summer camps provide a free and fun introduction to cybersecurity to sixty local K-12 students each year. Each project focuses on recruiting women/girls and underrepresented communities into the cybersecurity field.

Pros:

The NSA's significant and consistent investment in MVCC (\$3.5M to date) provides supplemental hardware and software resources that keep MVCC's cybersecurity and information technology programs at the state-of-the-art, minimizing resource requests from the MVCC budget. The resources and talent that this project funds helps to make MVCC a regional hub for Information Technology instruction which drives enrollment. Cybersecurity is a regional economic engine, and the NCAE Cyber Games project is a regional showcase item for initiatives and proposals by the Griffiss Institute and others. MVCC students enjoy cybersecurity and computer-related degree programs that exceed the highest national standards. MVCC administrative resource requirements are offset by significant indirect funds and an NSA-funded coordinator, and the NSA has proven to be a non-intrusive partner with regard to compliance and reporting overhead.

Cons:

While financially supported through indirect funds, administration of these programs requires leadership, HR, and business-office resources.

### SUNY Apprenticeship Programs at MVCC At MVCC since: 2018

Overview:

MVCC applied to SUNY to serve as the fiscal agent of a statewide Apprenticeship Program focused on Advanced Manufacturing. The initial award of \$2 million has grown to over \$13.5 million dollars and now includes Advanced Manufacturing and Other Industries (not including construction). In addition, SUNY was able to secure a federal award of \$7.9M for Advanced Manufacturing Apprenticeships, of which they have subcontracted \$4M to MVCC. MVCC provides employers with \$5,000 per apprentice for training to every apprentice that uses a SUNY School. In addition, the College provides \$1,000 tuition per person taking a Pre-Apprenticeship Training Program.

Pros:

MVCC has grant funded staff of 3.5 FTE focused on these efforts. That allows us to try new programming and to serve as the lead in apprenticeship programming for our local companies in addition to administering the statewide program. We have served Apprentices taking credit and non-credit classes at MVCC that help to fill our program offerings. Apprenticeship allows companies to use MVCC as a provider for upskilling their employees and keeps MVCC in the forefront of training. MVCC receives 20% administration fee for every dollar that is spent on this project statewide.

Cons:

Apprenticeships are sometimes a slow process for companies to work through government bureaucracies. The growth has not been as quick as we expected. Working closely with our state agency partners can limit the flexibility and creativity that we would like to have.

### FIRST (For Inspiration and Recognition of Science & Technology) Tech Challenge NYS At MVCC since: 2020

Overview:

MVCC holds the statewide designation for the national FIRST Tech Challenge organization that has a single designated headquarters in each of the 50 states. During the pandemic FIRST was told that SUNY Poly would no longer serve as the host institution and they needed to find a new home in New York somewhere. MVCC jumped at the opportunity, despite a tentative and relatively year-to-year budget model. *FIRST* programming engages over 1,500 youth statewide supporting their STEM adventures in becoming the next generation of science and technology leaders through education, innovation, and teamwork. Each year at MVCC's NY Excelsior, regional *FIRST* venues throughout New York State, and hundreds of other sites worldwide, *FIRST* Tech Challenge teams made up of 7th-12th graders exemplify Gracious Professionalism® and compete with their innovative robots during exciting tournaments.

Pros:

There is great potential for sponsorship and grants in this program. The manufacturing industry is in desperate need of building the workforce pipeline in robotics and automation and this is the perfect program to do that both locally and statewide for the youth population. It has great untapped potential. This program brings hundreds of students and parents from across New York state on the Utica campus twice each year for the qualifier and championship competitions.

Cons:

We are currently administering it on a light budget due to no sustainable funding stream. We currently have one part-time coordinator working on this and the position could use some additional programmatic support, or the ability to transition the part-time position to a full-time position, but is currently delivering tremendous results on a limited budget.

## Networks

### Strategic Horizon Network at MVCC since: 2008 membership (2016 Network host)

Overview:

The Strategic Horizon Network (SHN) is a self-organized learning community of nine like-

minded community colleges in eight states that bring teams of faculty and staff together to learn about disruptive innovation, vibrant organizational culture, and equity in organizations outside of higher education.

Pros:

SHN provides exposure to new ideas in an environment that provides common experiences for uncommon learning. As host for the Network, our institutional membership cost of \$14,000 is waived in lieu of the staffing efforts of the President and Jill Heintz as the co-facilitators and Assistant to the VP for Student Affairs, Amanda Roy-Small, as logistics coordinator. By hosting, we have expanded influence over shaping the program for the bi-annual events (January via Zoom and May/June in-person) by securing the speakers and site visits in ways that satisfy our organizational curiosity. With our membership fee waived, the only costs are travel to the one program in June that generally does not exceed more than \$10,000 annually.

Cons:

Very little downside beyond additional work for the President and two staff.

### Community College Workforce Consortium at MVCC since: 2019 membership (2023 VanWagoner Consortium co-chair)

Overview:

MVCC is the smallest community college in this 20-member self-organized learning community of colleges who have a workforce-forward mission with an organizational philosophy to leverage workforce development as a major driver of social and economic mobility. MVCC was one of only four consortium members to work with a virtual reality training tech company to pilot their technology with local employers. The results from MVCC's partnership were so far beyond the other colleges, that Jobs For the Future (JFF) approached MVCC as the only college in the consortium to develop models to expand access to Meta's Spark AR certification—a program that prepares creators to develop augmented reality for the Spark AR ecosystem.

Pros:

Consortium membership is only \$2,500 and puts us in the room with some of the largest community colleges in the country (MVCC is the smallest college in the group) alongside JFF and their contacts to multi-national employers like Google, Meta, Microsoft, and Amazon, as well as educational technology startups in virtual and augmented reality. A virtual spring convening via Zoom allows up to five workforce development-focused staff to participate in the unique and meaningful programming.

Cons:

Travel costs for the President and 1-2 other staff seem reasonable offsets to the pros associated with the exposure and connectivity to innovative, leading-edge programs and ideas.

### NYDesign At MVCC since: 2021

Overview:

MVCC was the first community college to engage with NYDESIGN's efforts to democratize integrated circuit (IC) design and develop IC design workforce as a driver for statewide economic development, complementing NYS' existing semiconductor R&D and manufacturing sectors. While still early in the partnership, MVCC has implemented a model where students from wide-ranging majors learn IC design principles from experts at efabless—the managing company of the chipIgnite platform, an open-source IC design flow—and work in cross-

functional teams to develop an integrated circuit from idea conception to silicon. To-date, multiple student-led IC designs have gone to tapeout final design and subsequently manufactured into functional circuits at a SkyWater Technology fab in Minnesota. Other participating institutions, to name a few, include Cornell University, the United States Military Academy West Point, Rensselaer (RPI), and Union College of which MVCC's outcomes have matched or exceeded.

Pros:

The College and our students benefit from exposure to the incredible resources and scope of this consortium that gives us exposure in spaces that most community colleges don't play. The costs are all indirect with staff time working on the student project and participating in meetings with network partners.

Cons:

Given the lack of direct costs and unique student experiences, the cons are immaterial at this point.